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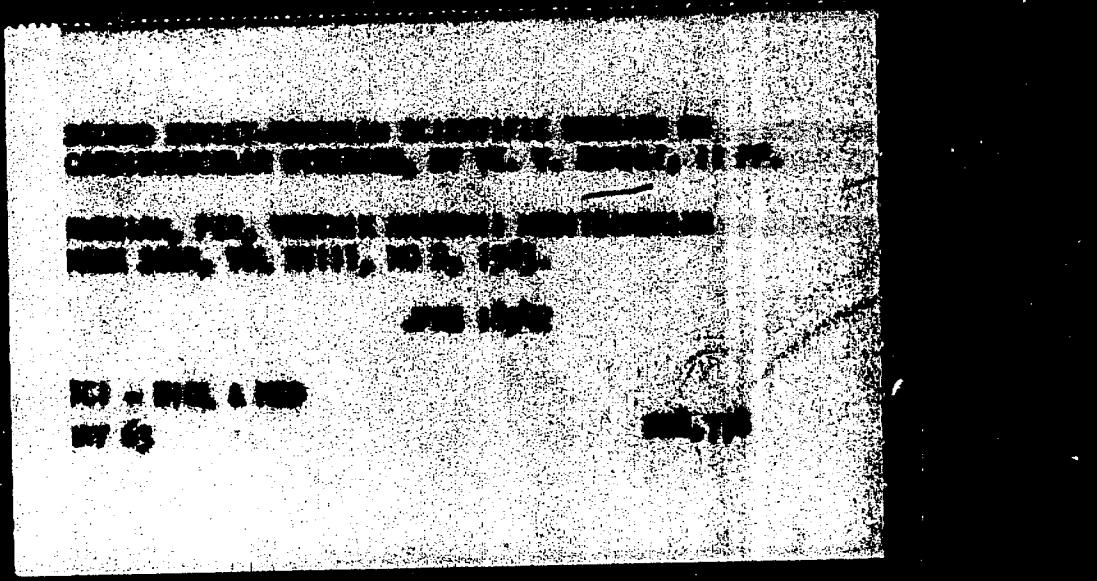
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DESCRIPTORS: \*Nitrobenzenes, \*Anilines, Reduction,  
\*Nickel catalysts, \*Platinum catalysts, \*Palladium  
catalysts, Catalysis, Reaction kinetics, \*Chemical  
engineering.

(Chemistry--Physical, TT, v. 8, no. 10)

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DESCRIPTORS: Fats, Determination, \*Tobacco,  
Chemical analysis.

(Biological Sciences--Botany, TT, v. 6, no. 3)

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Shmuk, E. I.

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[1961] 10p. (2 figs. omitted) 17 refs.  
Order from OTS or SLA \$1.10

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Trans. of [Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya; Metallurgiya i Tsvetnoye Protsessirovaniye, 1960, no. 6, p. 177-182.]

DESCRIPTORS: \*Coal, \*Pyrites, Oxidation,  
Thermodynamics, Thermochemistry.

On the basis of thermodynamic calculations,  
equilibrium constants and free energies were obtained  
for the pyrite oxidation reaction in relation to changes  
in temperature. The heat effects of pyrite oxidation  
were calculated. It was established that an increase  
in pressure favors pyrite oxidation by oxygen of the  
air. (Author)  
(Chemistry--Physical, TT, v. 7, no. 9)

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